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Date: 12/27/2004


Michael Navarro

PATENT
PWV1.PAU.85

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ilan Taler et al.

Serial No.: 10/718,688

Filed: November 24, 2003

Title: Amplifier Linearization Using
Non-Linear Predistortion

Art Unit: 2817

Examiner: Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

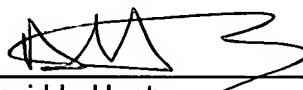
Sir:

Enclosed is one (1) Revocation/Appointment of Powers of Attorney, one (1) Statement Under 37 CFR 3.73(b) with copies of assignments in the chain of title and one (1) Change of Correspondence Address to be filed in connection with the above-referenced patent application.

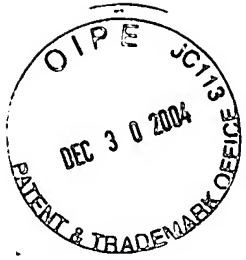
Assignee of Record respectfully requests that this change be made of record.

Respectfully submitted,

Date: 12/27/04


David L. Henty
Reg. No. 31,323
Attorney for Assignee of Record

MYERS DAWES ANDRAS & SHERMAN LLP
19900 MacArthur Blvd., Suite 1150
Irvine, CA 92612
Telephone: (949) 223-9600
Facsimile: (949) 223-9610



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

REVOCATION/APPOINTMENT OF POWERS OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

P-Wave Ltd., an Israeli corporation, located at 1 Azrieli Center, 46th Floor (Round Tower), Tel Aviv, 67021, Israel, and the owner of all rights, title and interest in the issued patents and patent applications, as set forth in Schedule A, by virtue of Assignment, hereby revoke all previous powers of attorney and hereby appoint in their stead:

David L. Henty, Reg. No. 31,323
Richard L. Myers, Reg. No. 26,490
Daniel L. Dawes, Reg. No. 27,123
Joseph C. Andras, Reg. No. 33,469
Vic Y. Lin, Reg. No. 43,754
Kenneth L. Sherman, Reg. No. 33,783
John W. Eldredge, Reg. No. 37,613

As its attorney(s) to prosecute said applications and to transact in connection therewith all business in the U.S. Patent and Trademark Office and before competent International Authorities.

Please change the correspondence address and direct all future correspondence to:

Myers Dawes Andras & Sherman, LLP
19900 MacArthur Blvd., Suite 1150
Irvine, CA 92612
Attn: David L. Henty, Esq.
Tel: (949) 223-9600

P-WAVE LTD.

Dated: Nov. 23, 2004

By: 
Name: Kevin T. Michaels
Title: Director



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS *Application*

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10/718,688
Filing Date	11/24/2003
First Named Inventor	Ilan Taler et al.
Art Unit	2817
Examiner Name	Unknown
Attorney Docket Number	PWV1.PAU.85

Please change the Correspondence Address for the above-identified patent application to:

☐ The address associated with
Customer Number:

OR

☒ Firm or
Individual Name Myers Dawes Andras & Sherman, LLP

Address 19900 MacArthur Blvd., Suite 1150

City Irvine

State
California

Zip 92612

Country United States

Telephone (949) 223-9600

Fax (949) 223-9610

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

- ☐ Applicant/Inventor
- ☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- ☒ Attorney or agent of record. Registration Number 31,323
- ☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Signature

Typed or Printed
Name David L. Henty

Date 12/27/04

Telephone (949) 223-9600

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

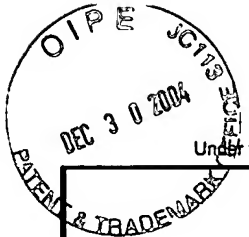
☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SCHEDULE A

<u>Patent No.</u>	<u>Issue Date</u>	<u>Attorney Docket No.</u>	<u>Title</u>
6,166,601	12/26/2000	PWV1.PAU.81	Super-Linear Multi-Carrier Power Amplifier
6,298,097	10/02/2001	PWV1.PAU.82	Amplifier with Wideband Digital Predistortion
<u>Application No.</u>	<u>Application Date</u>	<u>Attorney Docket No.</u>	<u>Title</u>
10/385,783	03/11/2003	PWV1.PAU.84	RF Power Amplifier with Low Intermodulation Distortion and Reduced Memory Effect
10/718,688	11/24/2003	PWV1.PAU.85	Amplifier Linearization Using Non-Linear Predistortion



STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Taler et al.

Application No./Patent No.: 10/718,688

Filed/Issue Date: 11/24/2003

Entitled: **AMPLIFIER LINEARIZATION USING NON-LINEAR PREDISTORTION**

P-Wave Ltd.

, a Israeli corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Taler et al. To: Wiseband Communications Ltd.
The document was recorded in the United States Patent and Trademark Office at
Reel 014737, Frame 0811, or for which a copy thereof is attached.
2. From: Wiseband Communications Ltd. To: P-Wave Ltd.
The document was recorded in the United States Patent and Trademark Office at
Reel unknown, Frame unknown, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

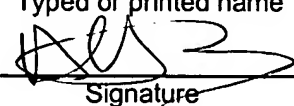
☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/27/04
Date

(949) 223-9600
Telephone number

David L. Henty
Typed or printed name

Signature

Attorney of Record for Assignee
Title



cket No.: PWV1.GEN.03

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2009)
P08A/REV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Wiseband Communications Ltd.

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: September 22, 2004

2. Name and address of receiving party(ies):

Name: P-Wave Ltd.Address: 1 Azrieli Center46th Floor (Round Tower)City: Tel Aviv

State/Prov.: _____

Country: IsraelZIP: 67021

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

10/277,36310/22/200210/385,78303/11/200310/718,68811/24/2003

B. Patent No.(s)

6,166,6016,298,097

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David L. HentyRegistration No. 31,323Address: Myers Dawes Andras & Sherman, LLP19900 MacArthur Blvd., Suite 1150City: IrvineState/Prov.: CaliforniaCountry: United StatesZIP: 92612

6. Total number of applications and patents involved:

57. Total fee (37 CFR 3.41):.....\$ 200.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

01-1960

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*David L. Henty

Name of Person Signing

Signature

Date

5

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

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ASSIGNMENT AGREEMENT

THIS ASSIGNMENT AGREEMENT is executed and delivered pursuant to that certain Asset Purchase Agreement, dated as of May 19, 2004, by and between POWERWAVE TECHNOLOGIES, INC., a Delaware corporation, and WISEBAND COMMUNICATIONS LTD., an Israeli company, Israel Companies Registrar No. 51-251632-9. Terms defined in the Agreement and not otherwise defined herein are used herein with the meanings so defined. As of June 16, 2004, the Asset Purchase Agreement was assigned by Powerwave Technologies, Inc. to P-Wave Ltd., a wholly owned subsidiary of Powerwave Technologies, Inc.

FOR VALUE RECEIVED, we, Wiseband Communications Ltd., hereby sell, assign, transfer and convey unto P-Wave Ltd., its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, interest, right to past damages and right to bring suit for past damages, for all countries, in the patents and provisional patents set forth in Appendix A to this Assignment Agreement (the "Assets") and all reissues, extensions, divisions, renewals and continuations and continuations in part thereof, and all applications for other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, with respect to the Assets in any countries or regions, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such patent letters or other grants of protection with respect to the Assets to the Assignee or to such nominees as it may designate;

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it;

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith;

AND we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to the Assets, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection with respect to the Assets in any and all countries and regions.

BEST AVAILABLE COPY

This Assignment Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be executed by its duly authorized officer this 22 day of September, 2004.

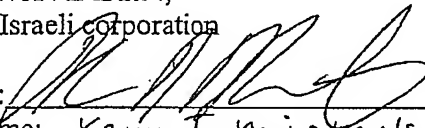
SELLER:

WISEBAND COMMUNICATIONS
LTD.,
an Israeli company

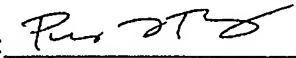
By: _____
Name: _____
Title: _____

PURCHASER:

P-WAVE LTD.,
an Israeli corporation

By:  _____
Name: Kevin T. Michaels
Title: Director

OFFICIAL WITNESS TO SIGNATURES:

By:  _____
Name: Perry Tarnofsky
Title: VP Legal Affairs, Powerwave Technologies, Inc.

BEST AVAILABLE COPY

This Assignment Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be executed by its duly authorized officer this 22 day of September, 2004.

SELLER:

WISEBAND COMMUNICATIONS
LTD.,
an Israeli company

By: [Signature]
Name: ARISON DANKY
Title: CEO

PURCHASER:

P-WAVE LTD.,
an Israeli corporation

By: _____
Name: _____
Title: _____


OFFICIAL WITNESSES TO SIGNATURES:

By: [Signature]
Name: Perry Tarantovsky
Title: VP, Legal Affairs
Powerwave Technologies, Inc.

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APPENDIX A TO ASSIGNMENT AGREEMENT

List of US Patents and US Patent Applications

1. US Patent No. 6,166,601 entitled "Superlinear Multi-Carrier Power Amplifier;"
2. US Patent No. 6,298,097 entitled "Amplifier With Wideband Digital Predistortion;"
3. US Patent Application No. 10/277,363 entitled "A Peak To Average Power Ratio Modifier;"
4. US Patent Application No. 10/385,783 entitled "RF Power Amplifier with Low Intermodulation Distortion and Reduced Memory Effect;" and
- ~~5. PCT patent application no. PCT/IL03/00825 entitled "A Peak to Average Power Ratio Modifier;"~~ 
6. US Patent Application No. 10/718,688 entitled "Amplifier Linearization Using Non-Linear Predistortion."



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JUN 21 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAJ. J. J. P. L. M. 6/23
ESK

JUNE 17, 2004

PTAS

STERNE KESSLER, GOLDSTEIN & FOX P.L.L.C.
EDWARD J. KESSLER
1100 NEW YORK AVENUE, N.W.
WASHINGTON, D.C., 20005-3934



102612977A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/24/2003

REEL/FRAME: 014737/0811
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TALER, ILAN

DOC DATE: 11/10/2003

ASSIGNOR:

WOLBERG, DAN

DOC DATE: 11/10/2003

ASSIGNOR:

SHARON, RAN

DOC DATE: 11/10/2003

ASSIGNEE:

WISEBAND COMMUNICATIONS LTD.
EUROPARK YAKUM
YAKUM 60972, ISRAEL

SERIAL NUMBER: 10718688

FILING DATE: 11/24/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: AMPLIFIER LINEARIZATION USING NON-LINEAR PREDISTORTION

014737/0811 PAGE 2

VIOLET MCCOY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-03-2003

Form PTO-1595
(Rev. 10/02)

RE

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings



...102612977...

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ilan TALER
Dan WOLBERG
Ran SHARON

11-24-03

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 11/10/03; 11/10/03; 11/10/03

2. Name and address of receiving party(ies)

Name: Wiseband Communications Ltd.

Internal Address: _____

Street Address: Europark YakumCity: Yakum 60972 State: ISRAEL Zip: _____Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/10/2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne Kessler, Goldstein & Fox P.L.L.C.Internal Address: c/o Edward J. Kessler

11/25/2003 STEUMEL1 00000039 10718688

:0021 40.00 JP

Street Address: 1100 New York Avenue, N.W.City: Washington State: D.C. Zip: 20005-39346. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

19-0036

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Edward J. Kessler
Name of Person Signing[Signature]
Signature11/24/03
DateTotal number of pages including cover sheet, attachments, and documents: 3Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

10718688

4928

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UNITED STATES

ASSIGNMENT

WHEREAS, the below named inventors, ASSIGNORS, have made a certain new and useful invention in:

AMPLIFIER LINEARIZATION USING NON-LINEAR PREDISTORTION

for which a patent application specification is attached hereto and which is being executed concurrently herewith,

and WHEREAS, **WISEBAND COMMUNICATIONS LTD.** an Israel company having a place of business at **Europark Yakum, Yakum 60972, Israel**, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all the divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the said United States application under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other International agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

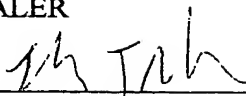
ASSIGNORS authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to the issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS covenant and agree that they have full right to convey the entire interest herein assigned, and have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNORS further covenant and agree that they will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of first inventor: Ilan TALER

Inventor's signature



Date

NOV 10 2003

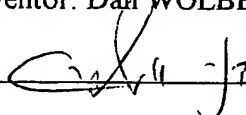
Residence: Ramat Gan, Israel

Citizenship: Israel

Post Office address: 6 Rehovot Hanahar Street, Ramat Gan, Israel

Full name of second joint inventor: Dan WOLBERG

Inventor's signature



Date

NOV 10, 2003

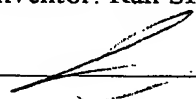
Residence: Tel Aviv, Israel

Citizenship: Israel

Post Office address: 74/18 Levi Eshkol Street, Tel Aviv, Israel

Full name of third joint inventor: Ran SHARON

Inventor's signature



Date

10. NOV. 2003

Residence: Mevaseret-Tzion, Israel

Citizenship: Israel

Post Office address: 14 Nevo-Nama Street, Mevaseret-Tzion, Israel